Sanitized Copy Approved for Release 2011/07/07: CIA-RDP80-00809A000600240297-6

CLASSIFIC/ ON COM CENTRAL INTELLIGENCE

INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS 50X1-HUM

COUNTRY

USSR - Ural Range

DATE OF

REPORT

CD NO.

SUBJECT

Economic - Mineral resources

INFORMATION 1949

HOW

PUBLISHED Bimonthly periodical DATE DIST. 10Jul 1949

WHERE

PUBLISHED Moscca NO. OF PAGES 2

DATE

Mar /Apr 1949

SUPPLEMENT TO

PUBLISHED LANGUAGE

Russian

REPORT NO.

THIS IS UNEVALUATED INFORMATION

Geografiya v Sakole, No 2, 1949.

GRAPHITE, OTHER IMPORTANT MINERALS NOTED IN IL HEN STATE FOREST IMENI V. I. LENIN

A. G. Titoy

The area covered by flimen State Forest is noted for its complex geological structure, for its diverse strata with interesting and wasval combinations. Magnatic and metamorphic rooks are mainly found in this region. They can be divided along general lines into the following groups: (1) misscites and numerous rooks generally connected with them; (2) granite and genesis granite with subordinate seems of necessorphic rock; (3) sysmite rocks, also distinguished by a great diversity; and (4) pegastite. Small masses of peculiar dark rocks (basic and ultrabasic) which are interesting in the number of heavy metals included in them are also found in some rocks of this region.

The extraction of these minerals is carried out by means of small workings having the appearance of shallow mines or pits. These mines are concentrated in the southern part of the State Forest and are of great interest from the standpoint of representative layers and mineral outcrops. About 200 of these mineral mines are known at present to be in the territory of the State Forest. Marvelous minerological material -- for both scientific and instructional purposes -- can be collected from these mines.

Miascite Mass

Miascite is located in the central district of the Il'men Range and is concentrated mainly in the southwestern part of the State Forest, in its highest mountain regions. Misseite of the Il'um Mountains is rich with diverse veins, representing a special form of nephelitic feldspar pegmatite.

Calcite and apatite, as well as fluor spar, are also found in the weins of the mass. A mineral very characteristic of the Il'men Mountains is ilmenite.

<u>Principential</u>

COSSIVICATION CONTRACTOR										
STATE	XIMAY	X	MERO		DISTRIBUTION	3				
ARMY	X AIR	X	FOL	•	Wee X	ļ				

Sanitized Copy Approve	ed for Release 2011/07/07	· CIA-RDP80	-00809A000600240297-6
Carnazoa Copy Approvi	34 101 1 C10400 20 1 1/0//0/		00000, (0000002 1020)

CUNFIDENTIAL

50X1-HUM

Ilmenite has enormous industrial significance. Large concentrations of ilmenite are known to be located in Eavel yevyy Canyon. Ilmenite found there is in peculiar spherical forms of various sizes and weights, some weighing 50 kilegrams or more.

Cneissic and Alkaline Syenite

These rocks are found widney between the miascite and the gneissic granite. They border the misscite mass by unbroken bands, separating it from the gneissic granite. A significant portion of these rocks is clearly characterized by a marked schistosity and by a randed arrangement of the minerals contained in these rocks. The rocks are composed of such minerals as hornblende, syenite, blotite, and aegirite-augite. The most interesting group of minerals is situated not far from the base of the State Forest, along the Miassovo road, beyond the bridge over the Large Cheremshanks River. A large deposit of hornblende is situated in the Cheremshanks River region, along the same road to Lake Miassovo.

A few miles north of the homblende, also on the right side of the road, we come across the mining of graphite. This mineral has been known to be here since 4028, and is interesting not only from the practical standpoint but from the purely minerological as well. The graphite found in this deposit is a peculiar form of spheralites (pellets) with a divergent structure. These are enclosed in feldspar or sometimes in quartz.

- K N D -